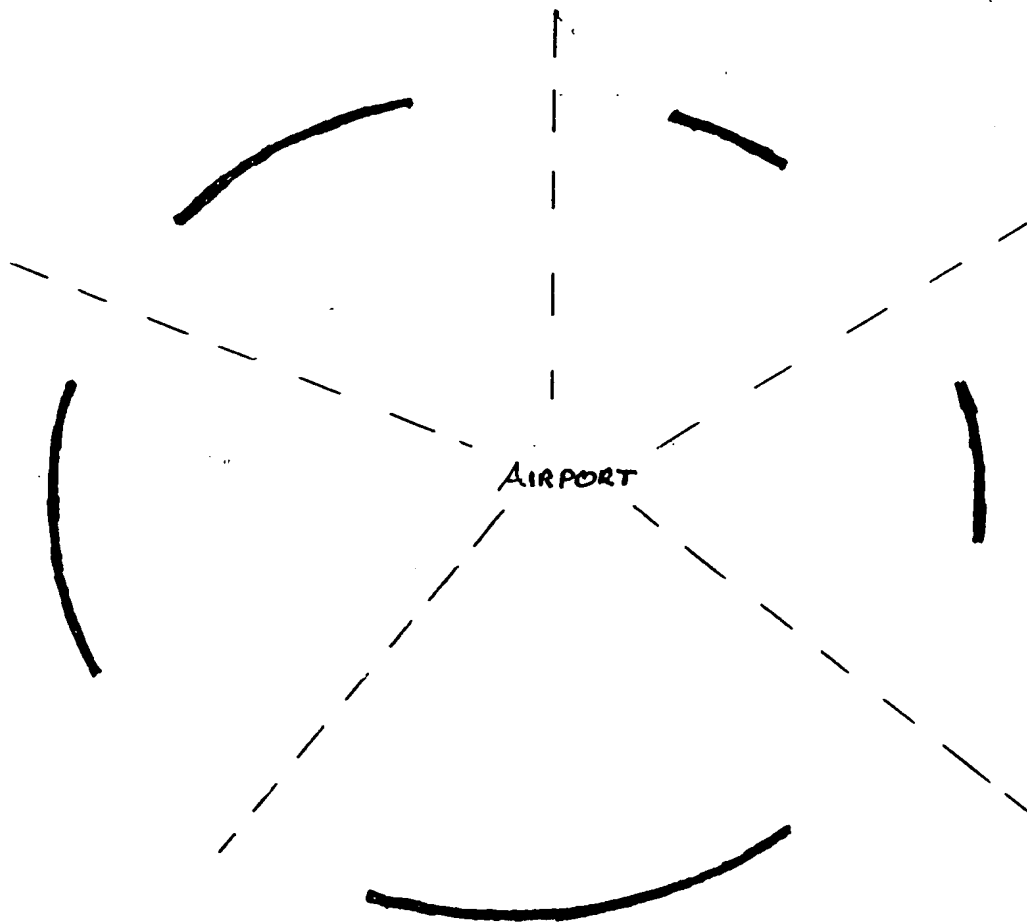


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GATE SYSTEM

FIG. 1

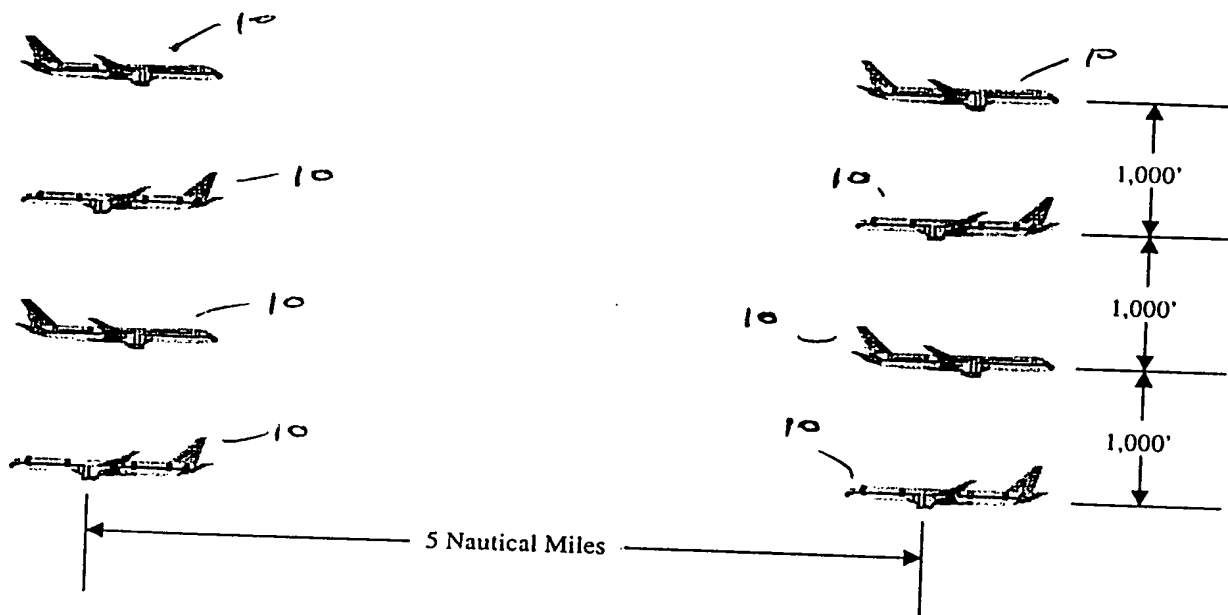


Figure 2 Minimum Airspace Separation on a Far 91.181 Federal Airway

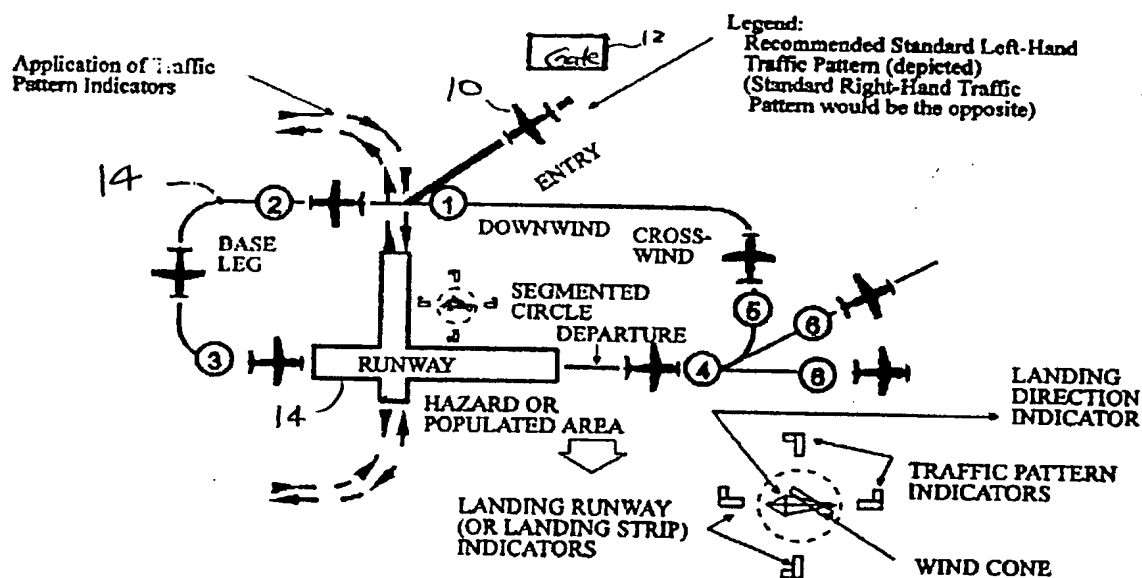
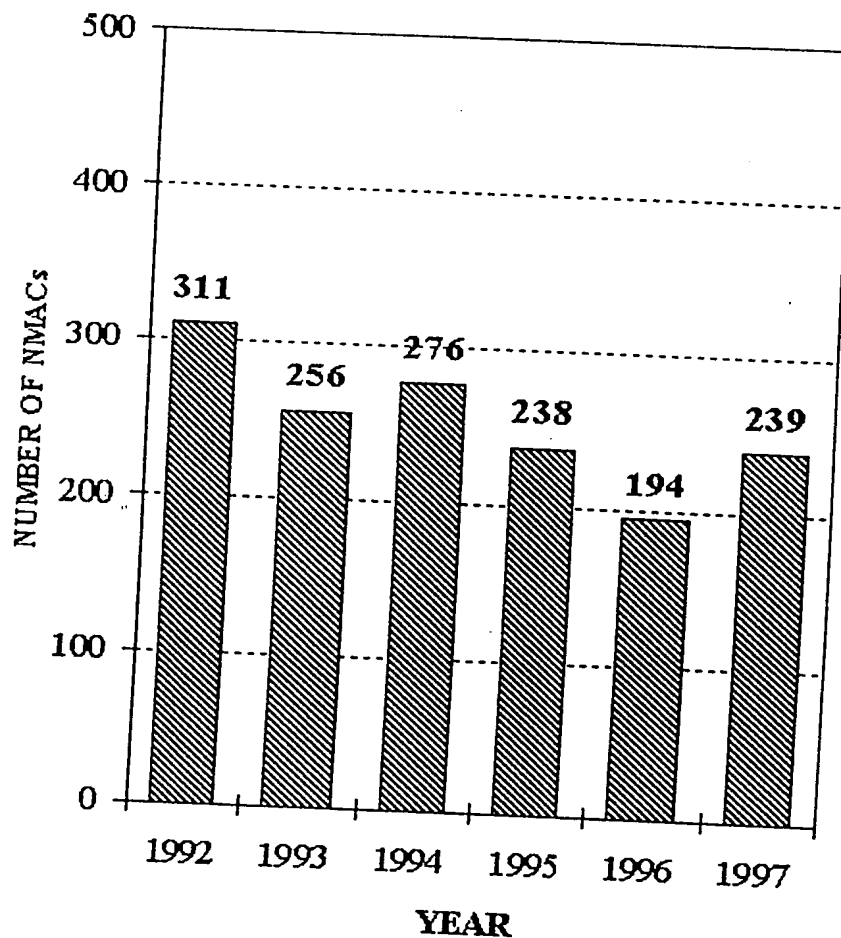


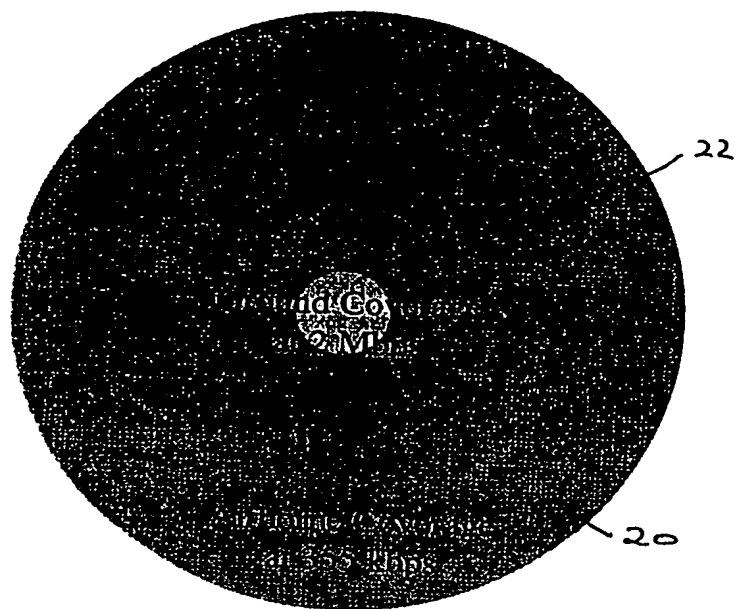
Figure 3 Typical Airport Traffic Pattern

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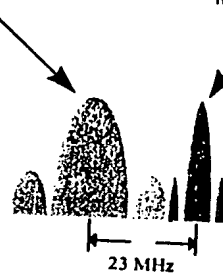
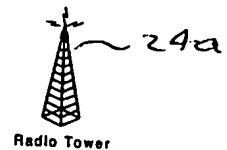
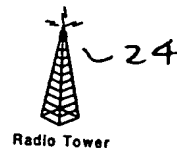
Number of Near Mid Air Collisions between 1992 and 1997

FIG. 4



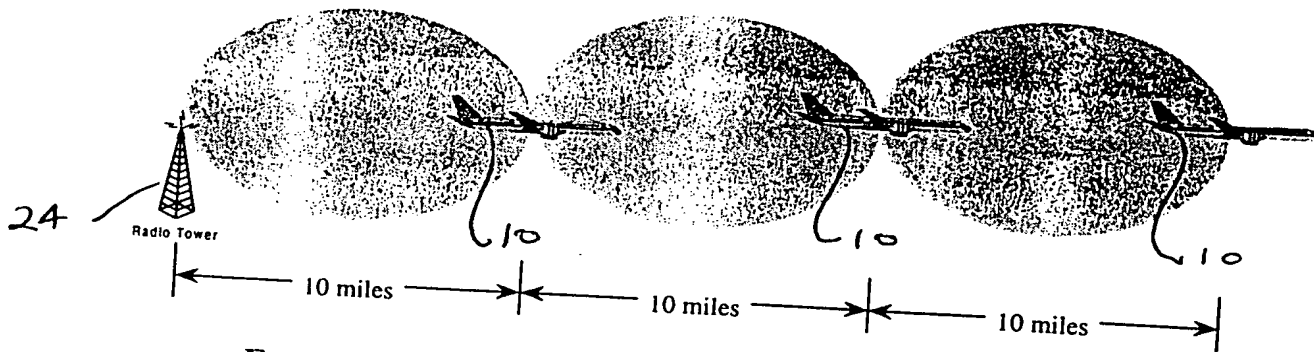
Single Ground  
Coverage Cell

Single Airborne  
Coverage Cell



Frequency Spectrum

FIG 5A



En route aircraft acting as repeaters extend the communication range of the ground-based network

FIG. 6

402

ENGINE AIRFLOW	FADEC CONTROL
CORE COMPARTMENT BLEEDING	ACTIVE CLEARANCE CONTROL
SUMP PRESSURIZATION	LP & HP RECUP
SUMP VENT	VENTING & DRAINING

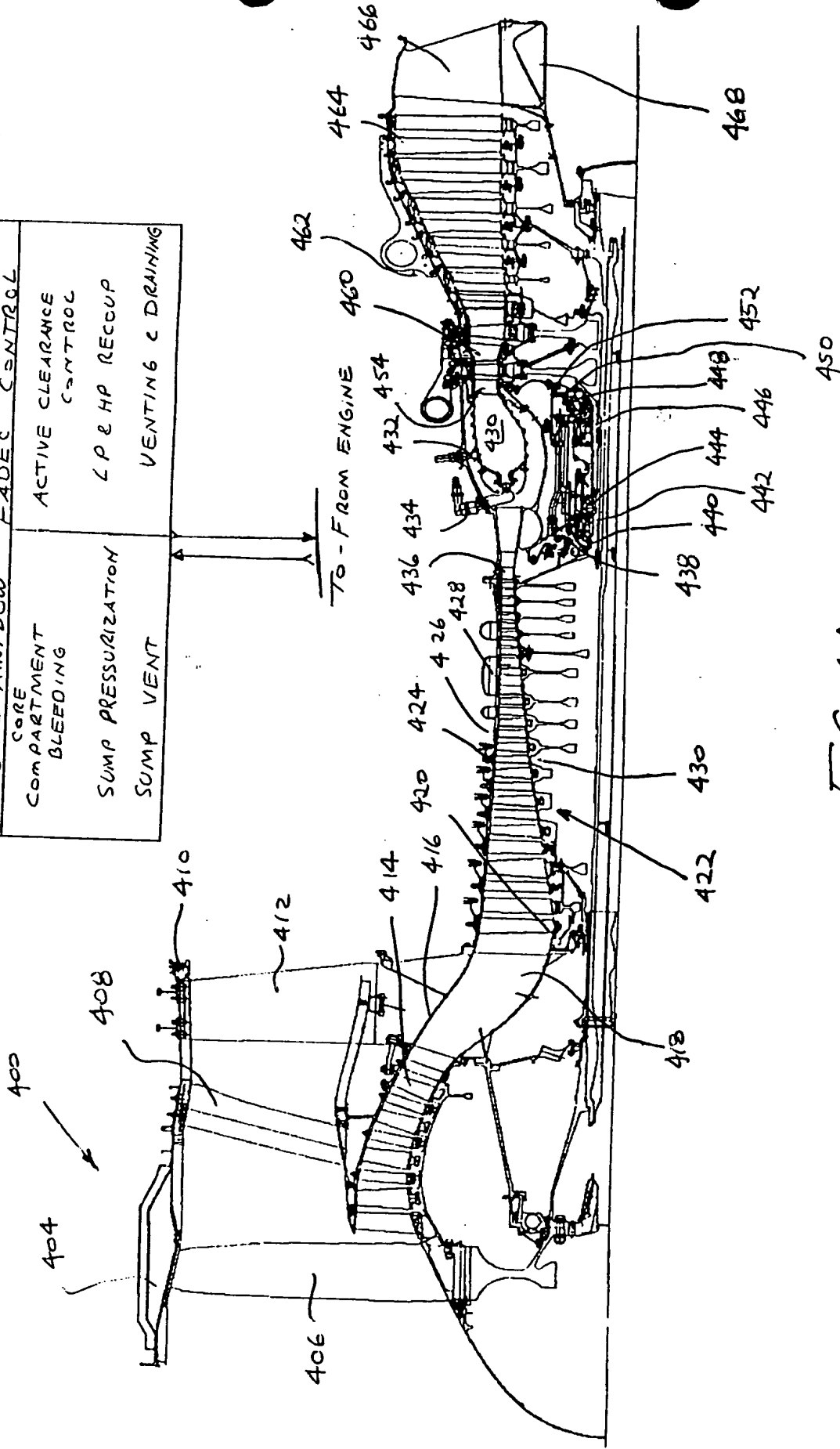


FIG. 6A

# Engine Start

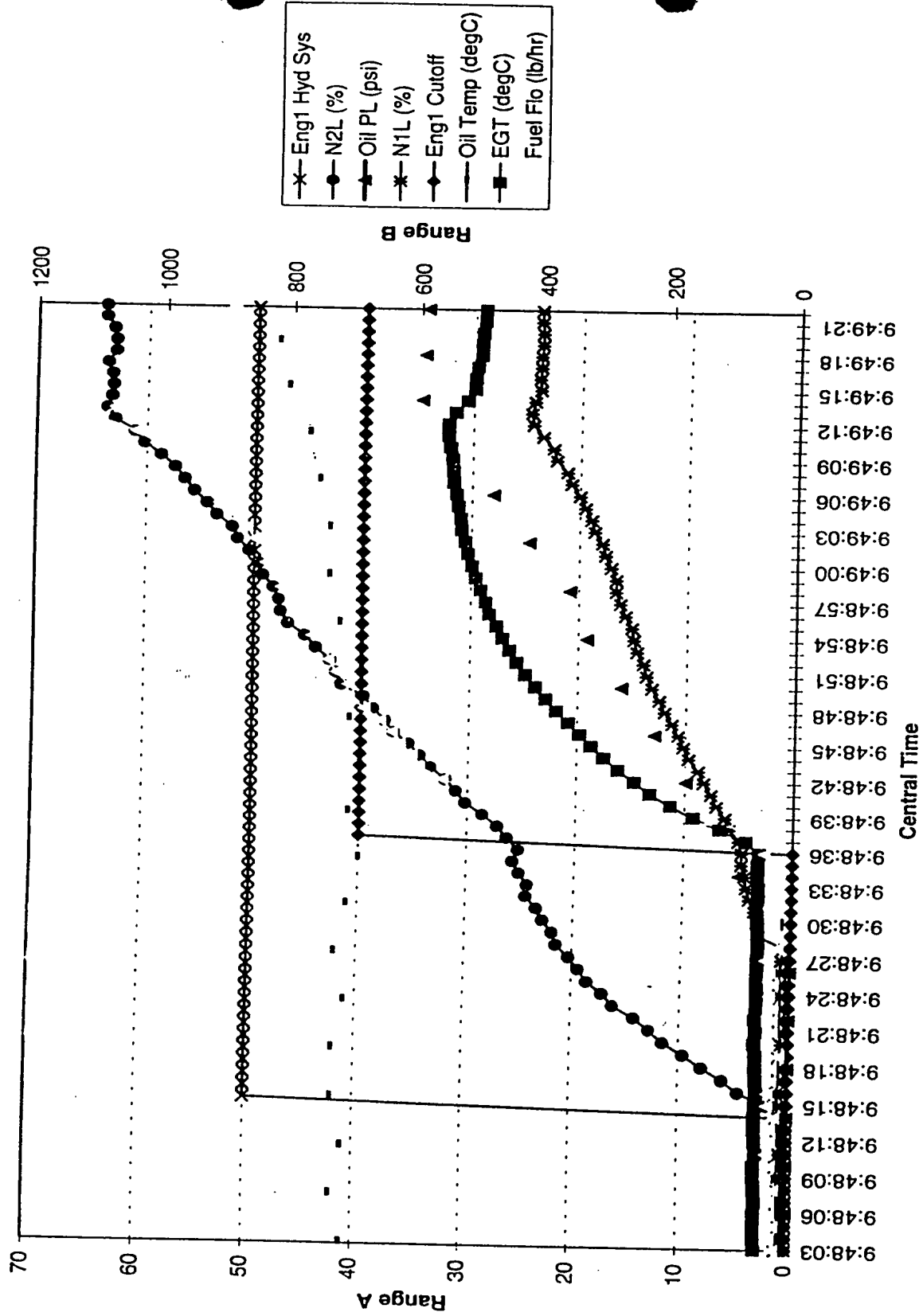
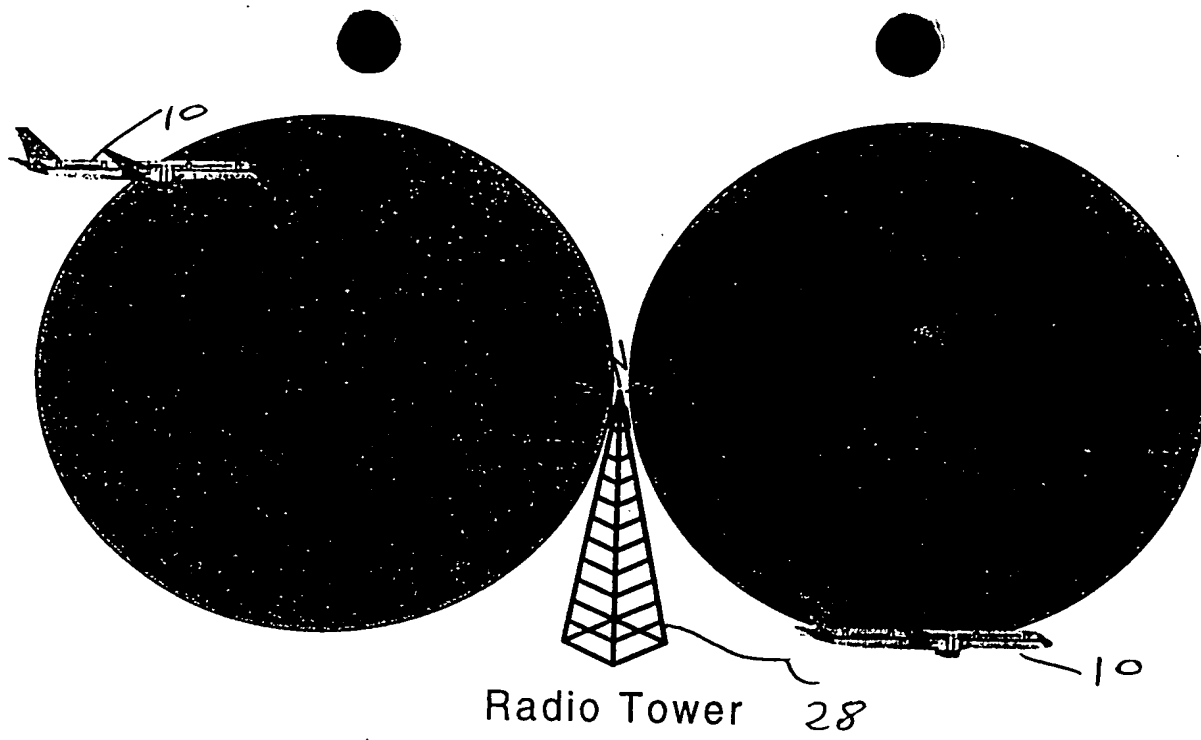


FIG. 6B



Omni-directional Antennas provide both Ground and Air Coverage

FIG. 7

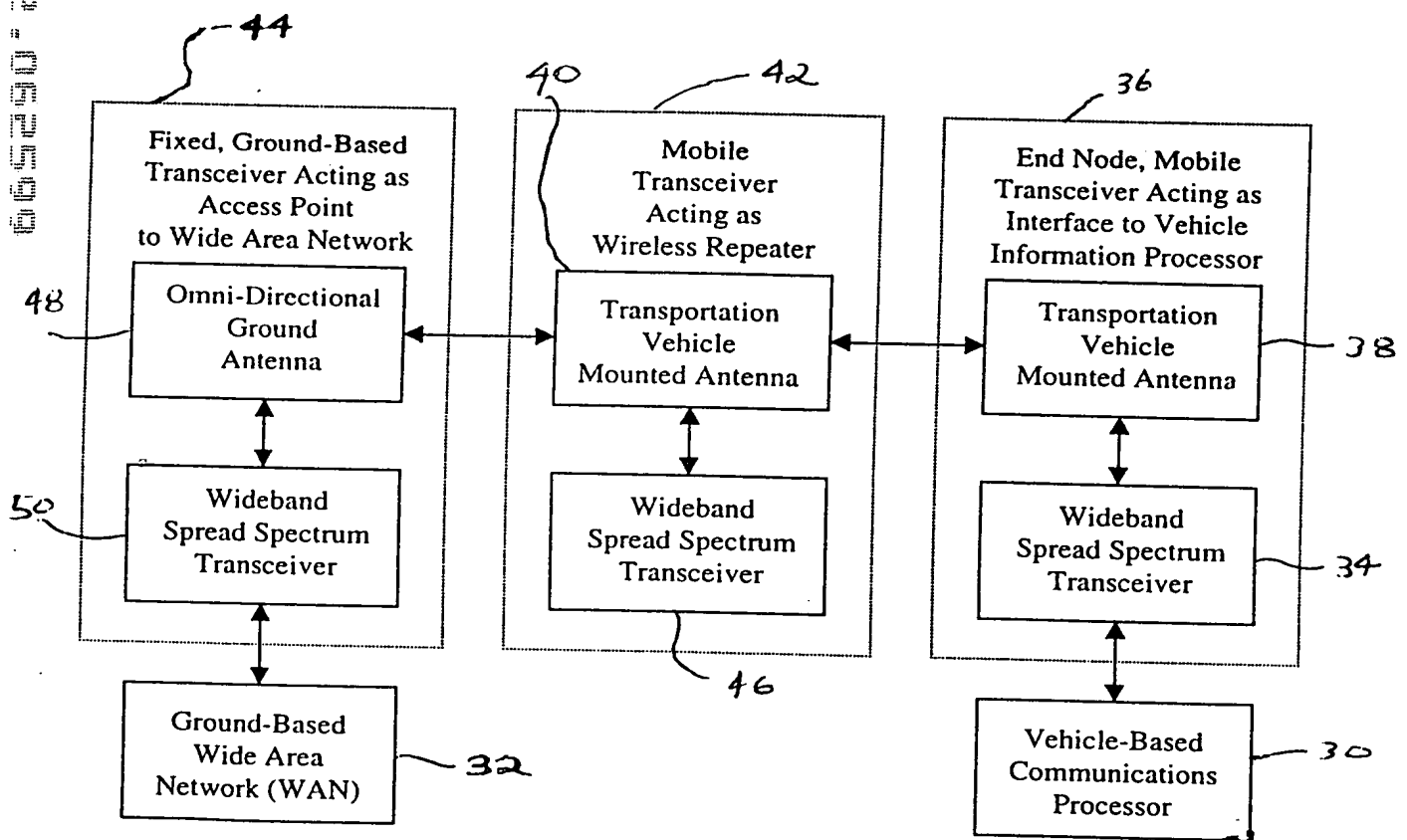
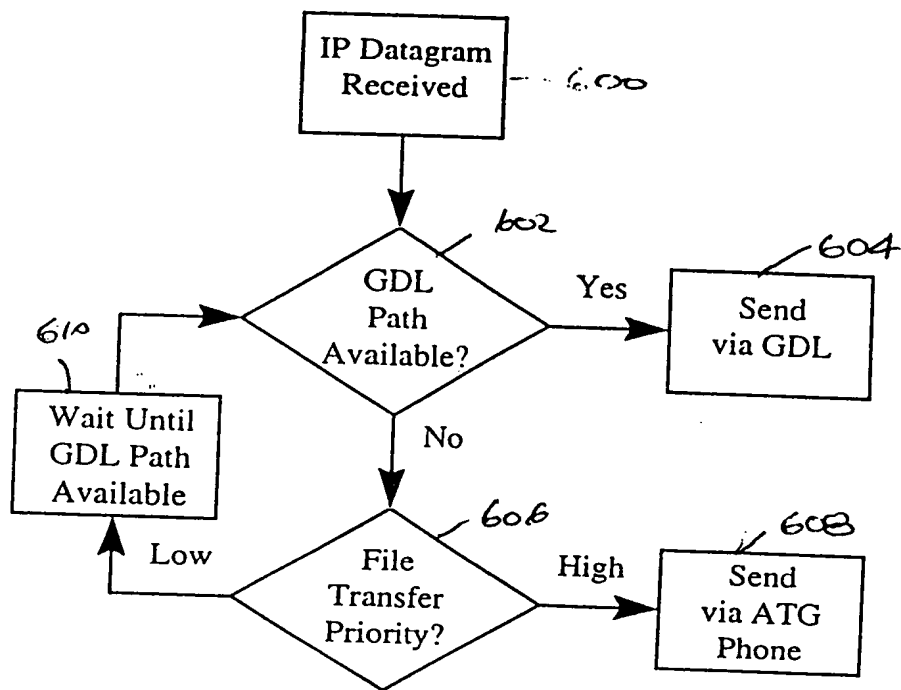


Figure 8

F. 6. 9



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F.6.10

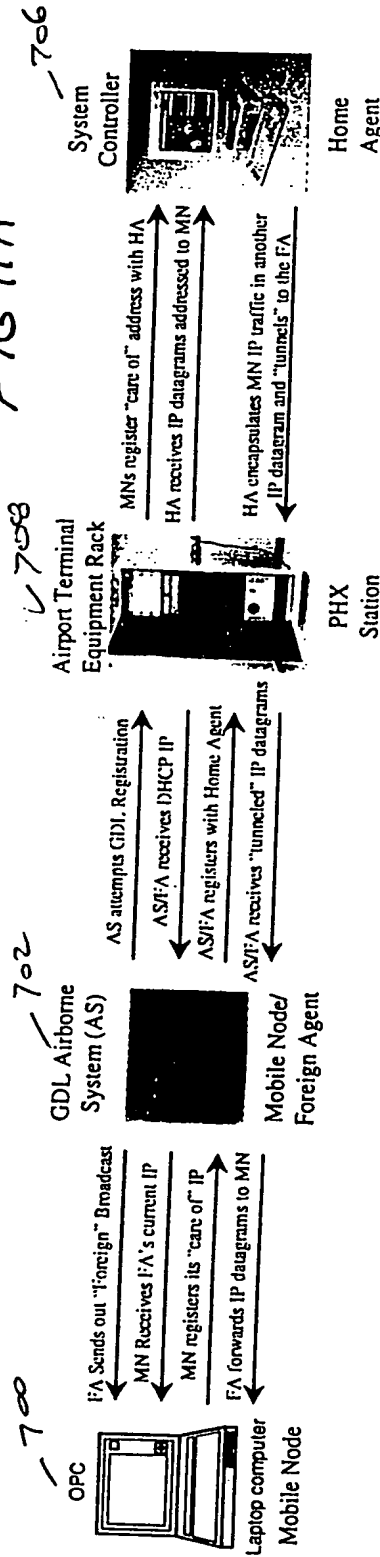
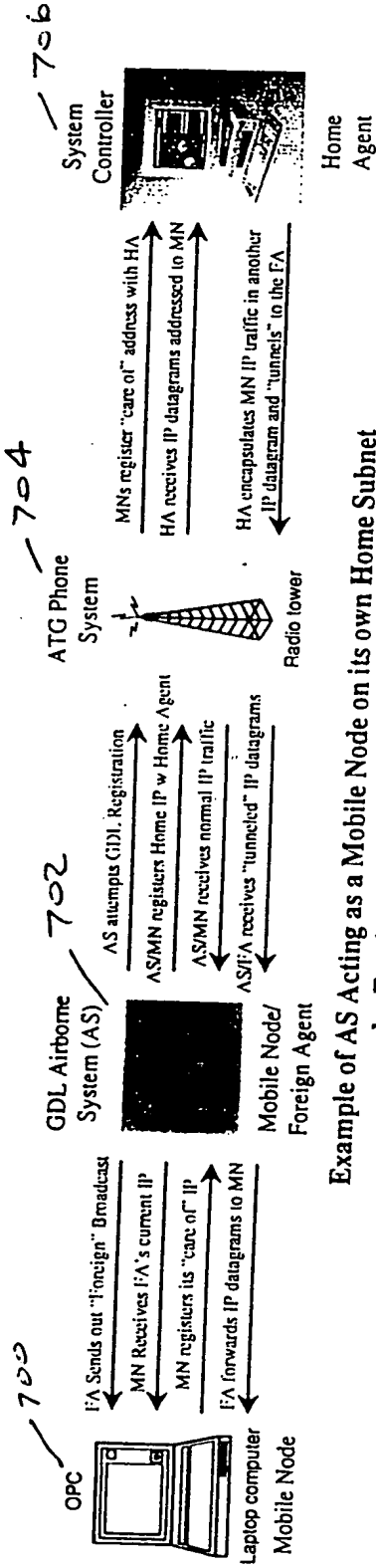


FIG. 11B

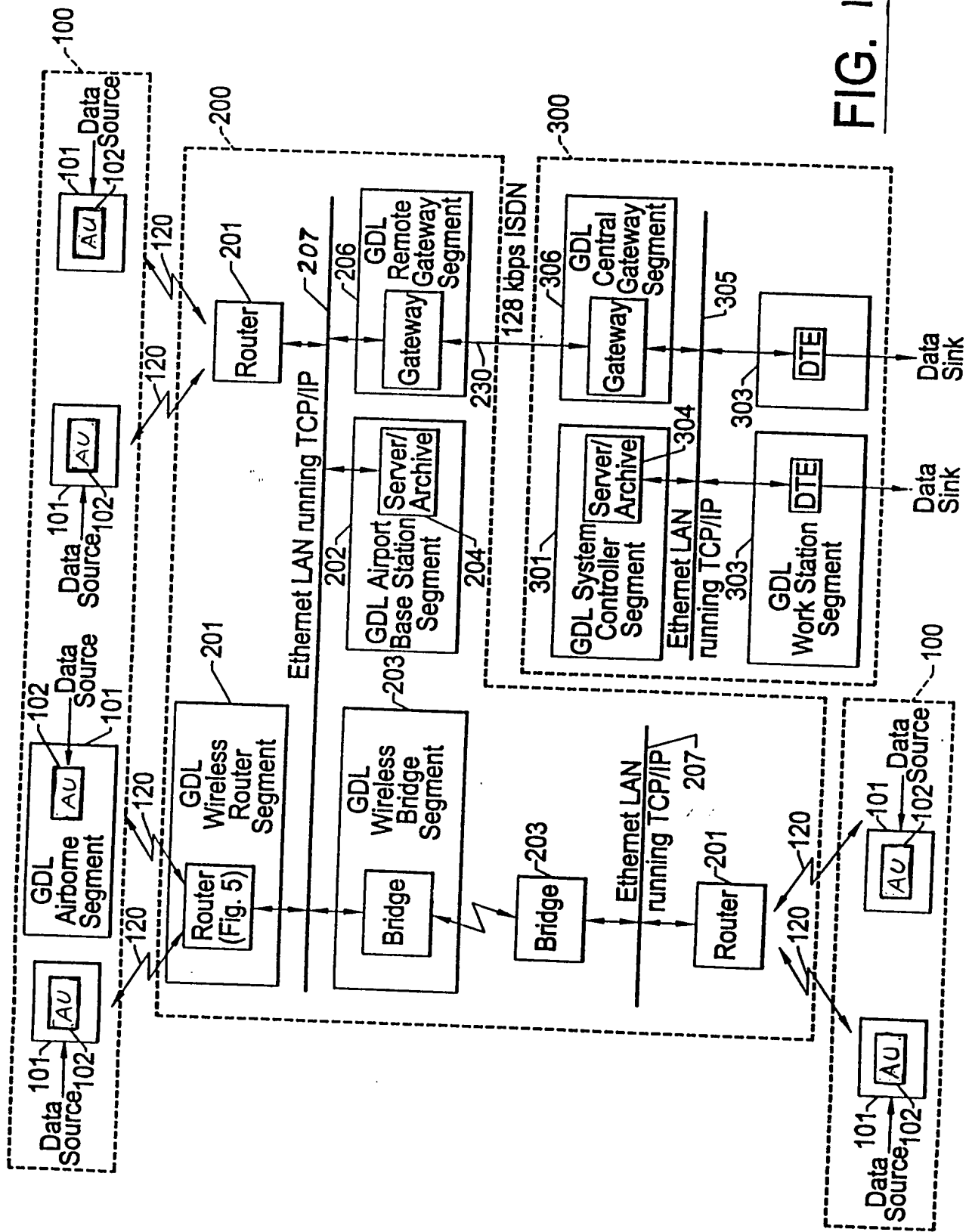


FIG. 12



